Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Efficacy of pre-emptive metoclopramide on patients' pain, discomfort and nausea associated with NG Tube insertion

Protocol summary

Summary

objective: The effect of intravenous metoclopramide on pain rate, discomfort and nausea caused by the insertion of nasogastric tube.design and setting: This study is a double blind randomized clinical trial.The target population will included all patients who need admission to hospital NG tube insertion Imam Khomeini hospital in sari.The sampling will be carried out after obtaining the necessary permits and obtaining the informed consent of patients, 46 patients needed to be elected NG tube. inclusion criteria:patient's willingness to participate in the study and obtain informed consent; Indications put nasogastric tube; Age over 18 years.exclusion criteria:Lack of patient awareness; Patients with unstable hemodynamic status; Having nosebleeds during the study period; Having problems anatomical nose; Trauma patients; Hypersensitivity to metoclopramide; Medications interact with metoclopramide; Pregnancy;patients with nausea and vomiting will ; If more than two attempts for nasogastric tube insertion is done.intervention:Intervention group, before planting NG tube, 10 mg metoclopramide (manufacturing pharmaceutical company Al-Hawi) will be given intravenously 15 minutes before the procedure. The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed listadministered. Once the injection.control group, with a similar volume of saline (as a placebo) will be administered.The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed list . main outcom variable: Discomfort and pain during intubation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015083023696N2**
Registration date: **2015-12-23, 1394/10/02**
Registration timing: **retrospective**
Last update:
Update count: **0**

Registration date

2015-12-23, 1394/10/02

Registrant information

Name
Seyed Mohammad Hosseininejad
Name of organization / entity
Mazandaran University Of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 11 3337 7169
Email address
mhoseininejad@mazums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mazandaran University Of Medical Science

Expected recruitment start date

2014-04-21, 1393/02/01

Expected recruitment end date

2015-01-20, 1393/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy of pre-emptive metoclopramide on patients' pain, discomfort and nausea associated with NG Tube insertion

Public title

Study of anti-nausea drug metoclopramide easily nasogastric tube insertion compared with patients not receiving.

Purpose
Treatment
Inclusion/Exclusion criteria
inclusion criteria:patient's willingness to participate in the study and obtain informed consent; Indications put nasogastric tube; Age over 18 years. exclusion criteria:Lack of patient awareness; Patients with unstable hemodynamic status; Having nosebleeds during the study period; Having problems anatomical nose; Trauma patients; Hypersensitivity to metoclopramide; Medications interact with metoclopramide; Pregnancy;patients with nausea and vomiting will ; If more than two attempts for nasogastric tube insertion is done.
Age
From **18 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **46**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features
Random, using a list provided by the computer and statistical software, version 13 is stuta. And the block size 2 and 4 and the ratio of one to one.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Mazandaran University Of Medical Science
Street address
Sari, Mazandaran
City
Sari
Postal code
Approval date
2015-11-27, 1394/09/06
Ethics committee reference number
IR.MAZUMS.REC.94

Health conditions studied

1

Description of health condition studied
pain, discomfort and nausea associated with NG Tube insertion
ICD-10 code
k91.8
ICD-10 code description
Complications of action on the digestive system

Primary outcomes

1

Description
discomfort during intubation.
Timepoint
Zero minutes, 30 minutes, 60 minutes
Method of measurement
score pain, nausea, discomfort

2

Description
nausea and vomiting
Timepoint
Zero minutes, 30 minutes, 60 minutes
Method of measurement
score pain, nausea, discomfort

3

Description
pain
Timepoint
Zero minutes, 30 minutes, 60 minutes
Method of measurement
score pain, nausea, discomfort

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group, before planting NG tube, 10 mg metoclopramide (manufacturing pharmaceutical company Al-Hawi) will be given intravenously 15 minutes before the procedure. The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed listadministered. Once the injection.
Category
Treatment - Drugs

2

Description

control group, with a similar volume of saline (as a placebo) will be administered.The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed list .

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Dr Seyed Mohammad Hoseininejad

Street address

Mazandaran, Sari, Razi str

City

Sari

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mazandaran University Of Medical Science

Full name of responsible person

Ahmad Ali Enayati

Street address

mazandaran-sari-meidan moalem-Vice Chancellor for Research and Technology University of Medical Sciences

City

sari

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Mazandaran University Of Medical Science

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Mazandaran Univercity Of Medical Science

Full name of responsible person

Mohammad Hajizadeh

Position

Resident emergency Medicine

Other areas of specialty/work

Street address

Mazandaran, Sari, valiasr bolvar

City

Sari

Postal code

Phone

+1 133377169

Fax

Email

mhoseininejad@mazums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mazandaran University Of Science

Full name of responsible person

Dr Seyed Mohammad Hoseininejad

Position

Emergency medicine specialist

Other areas of specialty/work

Street address

Mazandaran, Babol

City

Babol

Postal code

Phone

+1 133377169

Fax

Email

mhoseininejad@mazums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Orthopedics Research Center, Mazandaran University Of Science

Full name of responsible person

Samira Aghajani

Position

Other areas of specialty/work

Street address

Mazandaran, Sari

City

Sari

Postal code

Phone

00

Fax

Email

s.aghajani5233@yahoo.com

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty